

Explain

Explanation means the act or process in which concepts, processes, or skills become plain, comprehensible, and clear. The process of explanation provides the students and teacher with a common use of terms relative to the learning experience. In this phase, the teacher directs student attention to specific aspects of the engagement and exploration experiences. First, the teacher asks the students to give their explanations. Second, the teacher introduces scientific or technological explanations in a direct and formal manner. Explanations are ways of ordering and giving a common language for the exploratory experiences. The teacher should base the initial part of this phase on the students' explanations and clearly connect the explanations to experiences in the engagement and exploration phases of the instructional model. The key to this phase is to present concepts, processes, or skills briefly, simply, clearly, and directly, and then continue on to the next phase.

<p>Explains possible solutions or answers to other students.</p> <p>Listens critically to other students' explanations.</p> <p>Questions other students' explanations.</p> <p>Listens to and tries to comprehend explanations offered by the teacher.</p> <p>Refers to previous activities.</p> <p>Uses recorded observations in explanations.</p>	<p>Focus students' attention on a particular aspect of their engagement and exploration experiences, and provide opportunities to demonstrate their conceptual understanding, process skills, or behaviors. This phase also provides opportunities for teachers to introduce a concept, process, or skill.</p>	<p>Encourages students to explain concepts and definitions in their own words.</p> <p>Asks for justification (evidence) and clarification from students.</p> <p>Formally provides definitions, explanations, and new vocabulary.</p> <p>Uses students' previous experiences as the basis for explaining concepts.</p>
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